SUBJECT INDEX

Accident prevention
Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

Acoustic detection
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Automation
Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Axial strain
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Benefit cost analysis
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Bonding
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Case reports
Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Competition
Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Composite structures
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Computers
Viewpoint, William J. Harris, IS June 00, p53-55.

Concrete
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Concrete pavements
Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Concrete, reinforced
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Conditional probability
Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Connections
TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Corrosion
Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Curvature
Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Damage assessment
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Damage estimation
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Decision making
Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Decision support systems
System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

Defects
Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Deformation
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Design
Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Digital techniques
Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Disasters
Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Drilling
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Economics
Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Viewpoint, William J. Harris, IS June 00, p53-55.

Engineering
Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Environmental quality
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Fiber reinforced plastics
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Field tests
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Financial analysis
Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Granular materials
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Highway safety
Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

History
Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Image analysis
Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Imaging techniques
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Impedance
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Information
Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Infrastructure
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Infrastructure Risk Analysis Model, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p114-117.

Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Viewpoint, William J. Harris, IS June 00, p53-55.

Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Inspection
Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Installation
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Investment return analysis
Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Life cycle cost
Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Load distribution
TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Maintenance
Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Marine engineering
Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Moments
Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Monitoring
Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Multiple objective analysis
Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

SUBJECT INDEX

Accident prevention
Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

Acoustic detection
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Automation
Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Axial strain
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Benefit cost analysis
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Bonding
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Case reports
Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Competition
Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Composite structures
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Computers
Viewpoint, William J. Harris, IS June 00, p53-55.

Concrete
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Concrete pavements
Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Concrete, reinforced
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Conditional probability
Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Connections
TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Corrosion
Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Curvature
Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Damage assessment
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Damage estimation
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Decision making
Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Decision support systems
System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

Defects
Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Deformation
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Design
Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Digital techniques
Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Disasters
Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Drilling
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Economics
Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Viewpoint, William J. Harris, IS June 00, p53-55.

Engineering
Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Environmental quality
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Fiber reinforced plastics
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Field tests
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Financial analysis
Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Granular materials
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Highway safety
Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

History
Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Image analysis
Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Imaging techniques
Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Impedance
Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Information
Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Infrastructure
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Infrastructure Risk Analysis Model, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p114-117.

Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Viewpoint, William J. Harris, IS June 00, p53-55.

Viewpoint, Demeter G. Fertis, IS Sept. 00, p85-88.

Inspection
Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Installation
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Investment return analysis
Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Life cycle cost
Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Load distribution
TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Maintenance
Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Marine engineering
Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Moments
Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Monitoring
Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Multiple objective analysis
Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

National Science Foundation

Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Neural networks

Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Nondestructive measurement

Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

Nondestructive tests

Acoustic Tomographic Imaging of Concrete Infrastructure, Kevin L. Rens, P.E., David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23.

Optimization models

Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Partnering

Partnered Project Performance in Texas Department of Transportation, Kenneth M. Grajek, G. Edward Gibson, Jr. and Richard L. Tucker, IS June 00, p73-79.

Pavement condition

Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, Kelvin C. P. Wang, IS Mar. 00, p24-32.

Pavements

Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Pipelines

Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

Pipes

Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Polyethylene

Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, Marc Gelinas, Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137.

Ports

Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Potable water

Infrastructure Risk Analysis Model, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p114-117.

Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Probabilistic methods

Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Project evaluation

System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

Project management

Partnered Project Performance in Texas Department of Transportation, Kenneth M. Grajek, G. Edward Gibson, Jr. and Richard L. Tucker, IS June 00, p73-79.

Public works

Partnered Project Performance in Texas Department of Transportation, Kenneth M. Grajek, G. Edward Gibson, Jr. and Richard L. Tucker, IS June 00, p73-79.

Rehabilitation

System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

Remedial action

Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Repairing

Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Research

Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Research needs

Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Resource allocation

Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

Restoration

Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Risk analysis

Infrastructure Risk Analysis Model, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p114-117.

Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Risk management

Infrastructure Risk Analysis Model, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p114-117.

Requalification and Maintenance of Marine Pipeline Infrastructures, R. G. Bea, P.E., C. Smith and V. Valdes, IS Sept. 00, p89-96.

Research Needs for Engineering Aspects of Natural Disasters, James P. Heaney, Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14.

Robotics

Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, Rita A. Gregory and Roozbeh Kangari, IS Mar. 00, p33-40.

Safety research

Multiobjective Methodology for Highway Safety Resource Allocation, Mashrur A. Chowdhury, Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144.

Screening

Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Sensitivity analysis

Investment Risk Analysis in Port Infrastructure Appraisal, Ryuji Kakimoto and Prianka N. Seneviratne, IS Dec. 00, p123-129.

Service life

Externally Bonded FRP for Service-Life Extension of RC Infrastructure, J. F. Bonacci and M. Maalej, IS Mar. 00, p41-51.

Sewer maintenance

Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

Sewer pipes

Classification of Defects in Sewer Pipes Using Neural Networks, Osama Moselhi and Tariq Shehab-Eldeen, IS Sept. 00, p97-104.

System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

State agencies

Partnered Project Performance in Texas Department of Transportation, Kenneth M. Grajek, G. Edward Gibson, Jr. and Richard L. Tucker, IS June 00, p73-79.

Structural elements

Impedance-Based Health Monitoring of Civil Structural Components, Gyuhae Park, Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160.

TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Structural reliability

TDR Monitoring for Integrity of Structural Systems, Miau-Bin Su and Yuh-Jyh Chen, IS June 00, p67-72.

Structural safety

Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Technology

Engineering System Research in the Information Technology Age, Ken P. Chong and Daniel C. Davis, IS Mar. 00, p1-3.

Viewpoint, William J. Harris, IS June 00, p53-55.

Temperature distribution

Temperature-Moment Concept for Evaluating Pavement Temperature Data, Donald J. Janssen and Mark B. Snyder, IS June 00, p81-83.

Testing

Screening Cycle Decision Modeling for Infrastructure Management, Stephen T. Staneff, C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152.

Transportation

Partnered Project Performance in Texas Department of Transportation, Kenneth M. Grajek, G. Edward Gibson, Jr. and Richard L. Tucker, IS June 00, p73-79.

Trenchless technology

System for Evaluating Underground Pipeline Renewal Options, Makarand Hastak and Sanjiv Gokhale, IS Sept. 00, p105-113.

Uncertainty analysis

Optimal Life-Cycle Costing with Partial Observability, Mingxiang Jiang, Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66.

Water resources management

Infrastructure Risk Analysis Model, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p114-117.

Infrastructure Risk Analysis of Municipal Water Distribution System, Barry C. Ezell, John V. Farr and Ian Wiese, IS Sept. 00, p118-122.

World Wide Web

Viewpoint, William J. Harris, IS June 00, p53-55.

AUTHOR INDEX

Bea, R. G., P.E.
Requalification and Maintenance of Marine Pipeline Infrastructures, with C. Smith and V. Valdes, IS Sept. 00, p89-96

Bonacci, J. F.
Externally Bonded FRP for Service-Life Extension of RC Infrastructure, with M. Maalej, IS Mar. 00, p41-51

Chen, Yuh-Jyh
see Su, Miau-Bin, IS June 00, p67-72

Chong, Ken P.
Engineering System Research in the Information Technology Age, with Daniel C. Davis, IS Mar. 00, p1-3

Chowdhury, Mashrur A.
Multiobjective Methodology for Highway Safety Resource Allocation, with Nicholas J. Garber and Duan Li, IS Dec. 00, p138-144

Corotis, Ross B.
see Jiang, Mingxiang, IS June 00, p56-66

Cudney, Harley H.
see Park, Gyuhae, IS Dec. 00, p153-160

Davis, Daniel C.
see Chong, Ken P., IS Mar. 00, p1-3

Ellis, J. Hugh
see Jiang, Mingxiang, IS June 00, p56-66

Ezell, Barry C.
Infrastructure Risk Analysis Model, with John V. Farr and Ian Wiese, IS Sept. 00, p114-117
Infrastructure Risk Analysis of Municipal Water Distribution System, with John V. Farr and Ian Wiese, IS Sept. 00, p118-122

Farr, John V.
see Ezell, Barry C., IS Sept. 00, p114-117
see Ezell, Barry C., IS Sept. 00, p118-122

Fertis, Demeter G.
Viewpoint, IS Sept. 00, p85-88

Garber, Nicholas J.
see Chowdhury, Mashrur A., IS Dec. 00, p138-144

Gelinas, Marc
Field Tests on HDPE Pipes Installed Using Horizontal Directional Drilling, with Maria Anna Polak and Robert McKim, IS Dec. 00, p130-137

Gibson, G. Edward, Jr.
see Grajek, Kenneth M., IS June 00, p73-79

Gokhale, Sanjiv
see Hastak, Makarand, IS Sept. 00, p105-113

Grajek, Kenneth M.
Partnered Project Performance in Texas Department of Transportation, with G. Edward Gibson, Jr. and Richard L. Tucker, IS June 00, p73-79

Gregory, Rita A.
Cost/Benefits of Robotics in Infrastructure and Environmental Renewal, with Roozbeh Kangari, IS Mar. 00, p33-40

Harris, William J.
Viewpoint, IS June 00, p53-55

Hastak, Makarand
System for Evaluating Underground Pipeline Renewal Options, with Sanjiv Gokhale, IS Sept. 00, p105-113

Heaney, James P.
Research Needs for Engineering Aspects of Natural Disasters, with Jon Peterka and Leonard T. Wright, IS Mar. 00, p4-14

Ibbs, C. William
see Staneff, Stephen T., IS Dec. 00, p145-152

Inman, Daniel J.
see Park, Gyuhae, IS Dec. 00, p153-160

Janssen, Donald J.
Temperature-Moment Concept for Evaluating Pavement Temperature Data, with Mark B. Snyder, IS June 00, p81-83

Jiang, Mingxiang
Optimal Life-Cycle Costing with Partial Observability, with Ross B. Corotis and J. Hugh Ellis, IS June 00, p56-66

Kakimoto, Ryuji
Investment Risk Analysis in Port Infrastructure Appraisal, with Prianka N. Seneviratne, IS Dec. 00, p123-129

Kangari, Roozbeh
see Gregory, Rita A., IS Mar. 00, p33-40

Li, Duan
see Chowdhury, Mashrur A., IS Dec. 00, p138-144

Maalej, M.
see Bonacci, J. F., IS Mar. 00, p41-51

McKim, Robert
see Gelinas, Marc, IS Dec. 00, p130-137

Moselhi, Osama
Classification of Defects in Sewer Pipes Using Neural Networks, with Tariq Shehab-Eldeen, IS Sept. 00, p97-104

Oliver, Robert M.
see Staneff, Stephen T., IS Dec. 00, p145-152

Park, Gyuhae
Impedance-Based Health Monitoring of Civil Structural Components, with Harley H. Cudney and Daniel J. Inman, IS Dec. 00, p153-160

Peterka, Jon
see Heaney, James P., IS Mar. 00, p4-14

Polak, Maria Anna
see Gelinas, Marc, IS Dec. 00, p130-137

Rens, Kevin L., P.E.
Acoustic Tomographic Imaging of Concrete Infrastructure, with David J. Transue and Michael P. Schuller, P.E., IS Mar. 00, p15-23

Schuller, Michael P., P.E.
see Rens, Kevin L., P.E., IS Mar. 00, p15-23

Seneviratne, Prianka N.
see Kakimoto, Ryuji, IS Dec. 00, p123-129

Shehab-Eldeen, Tariq
see Moselhi, Osama, IS Sept. 00, p97-104

Smith, C.
see Bea, R. G., P.E., IS Sept. 00, p89-96

Snyder, Mark B.
see Janssen, Donald J., IS June 00, p81-83

Staneff, Stephen T.
Screening Cycle Decision Modeling for Infrastructure Management, with C. William Ibbs and Robert M. Oliver, IS Dec. 00, p145-152

Su, Miau-Bin
TDR Monitoring for Integrity of Structural Systems, with Yuh-Jyh Chen, IS June 00, p67-72

Transue, David J.
see Rens, Kevin L., P.E., IS Mar. 00, p15-23

Tucker, Richard L.
see Grajek, Kenneth M., IS June 00, p73-79

Valdes, V.
see Bea, R. G., P.E., IS Sept. 00, p89-96

Wang, Kelvin C. P.
Designs and Implementations of Automated Systems for Pavement Surface Distress Survey, IS Mar. 00, p24-32

Wiese, Ian
see Ezell, Barry C., IS Sept. 00, p114-117
see Ezell, Barry C., IS Sept. 00, p118-122

Wright, Leonard T.
see Heaney, James P., IS Mar. 00, p4-14